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965 970 975 980 985 990 995 1000 1005 1010 1015 1020 1025 1030 1035 1040
 TAT CTC ACC TTC ATC CCT TCT GAT GAT GAC ATT TAT GAC TGC ANG CTG GAG CAC TCG GGC CTG GAG CCG GTT CTG
 ATA GAG TCG AAG TAG GGA AGA CTA
 Tyr Leu Thr Phe Ile Pro Ser Asp Asp Ile Tyr Asp Cys Lys Val Glu His Trp Gly Leu Glu Pro Val Leu>
 1045 1050 1055 1060 1065 1070 1075 1080 1085 1090 1095 1100 1105 1110 1115 1120
 AAA CAC TCG GAA CCT GAG ATT CCA GGC CCC ATG TCA GAG CTG ACA GAA ACT GGA GGT GGA GGA TCC ACT ACA CCT CCA
 TTT GTG ACC CTT GGA CTC TAA GGT CCG GGG TAC AGT CTC GAC TGT CTT TGA CCT CCA CCT ACC TGA TGT CGA GGT
 Lys His Trp Glu Pro Glu Ile Pro Ala Pro Met Ser Glu Leu Thr Glu Thr Gly Gly Cys Ser Thr Thr Ala Pro>
 1125 1130 1135 1140 1145 1150 1155 1160 1165 1170 1175 1180 1185 1190 1195
 TCA GCT CAG CAC GAA AAA GAG CTC CAG GGC CTC GAG ANG GAA ATT GCA CAG CTG GAA TGG CAG TTT CAA CCA CTG GAA
 AGT CGA CTC GAG CTT TTT CTC GAG GTC CCG GAC CTC TTC CTT TTA CGT GTC GAC CTT ACC CTC AAC GTT CGT GAC CTT
 Ser Ala Gln Leu Glu Lys Glu Leu Gln Ala Leu Glu Lys Glu Asn Ala Gln Leu Glu Trp Glu Leu Gln Ala Leu Glu>
 1200 1205 1210 1215 1220 1225 1230 1235 1240 1245 1250 1255 1260 1265 1270 1275
 ANG GAA CTG GCT CAG GCA CCA TCT GAG CAC AGA GAG CCC ACA ATC AAC CCC TCT CCA TCC AAA TCC CCA GCA CCT
 TTC CTT GAC CGA GTC CGT CGT AGA CTC CCG TCT CCC CAG TGT TAG TTC GGG ACA GGA GGT ACG TTT ACG GGT CGT GGA
 Lys Glu Leu Ala Gln Ala Ala Ser Glu Pro Arg Gly Pro Thr Ile Lys Pro Cys Pro Cys Lys Cys Pro Ala Pro>
 1280 1285 1290 1295 1300 1305 1310 1315 1320 1325 1330 1335 1340 1345 1350
 AAC CTC TTT GGT GGA CCA TCC GTC TTC TTC CCA CCA ANG ATC AAC GAT GTA CTC ATC ATC TCC CTG AGC CCC ATA
 TTT GAG AAC CCA CCT GGT ACG CAG AAG TAG AAG CCA GGT TTC TAG TTC CTA CTT GAG TAC TAG AGG GAC TCG GGT TAT
 Asn Leu Leu Gly Gly Pro Ser Val Phe Ile Phe Pro Pro Lys Ile Lys Asp Val Leu Met Ile Ser Leu Ser Pro Ile>
 1355 1360 1365 1370 1375 1380 1385 1390 1395 1400 1405 1410 1415 1420 1425 1430
 GTC ACA TGT GTG GTG GAT
 CAG TGT ACA CAC CAC CAC CTA CAC TCG CTC CTA CTA CTA CTA CTA CTA CTA CTA CTA CTA CTA CTA CTA CTA CTA CTA CTA CTA
 Val Thr Cys Val Val Val Asp Val Ser Glu Asp Pro Asp Val Val Gln Ile Ser Trp Phe Val Asn Asn Val Glu Val>
 1435 1440 1445 1450 1455 1460 1465 1470 1475 1480 1485 1490 1495 1500 1505 1510
 CAC ACA GCT CAG ACA CAA ACC CTT ACA GAT TAC AAC AGT ACT CTC CCG GTG CTT ATC CAC CAC CAC CAC CAC CAC CAC CAC CAC
 GIG TGT CGA CTC TGT GGT TCG GTA TCT CTC CTA AAG TTT TCA TCA GAG CCC CAC CAG TCA CCG GAG CCG TAG GTC GTG
 His Thr Ala Gln Thr Gln Thr His Arg Glu Asp Tyr Asn Ser Thr Leu Arg Val Val Ser Ala Leu Pro Ile Gln His>

1515	1520	1525	1530	1535	1540	1545	1550	1555	1560	1565	1570	1575	1580	1585
CAG	GAC	'TGG	A'IG	AGT	GGC	NAG	GAG	'TTC	AAA	'TGC	AMG	GTC	AAAC	AAC
GTC	C'IG	ACC	'TAC	'TCA	CCG	'TTC	C'IC	AAG	'TIT	ACG	'TIC	CAG	'TIG	'TIG
Gln	Asp	'TTP	Met	Ser	Gly	Lys	Glu	the	Lys	Cys	Lys	Val	Asn	Asn
1590	1595	1600	1605	1610	1615	1620	1625	1630	1635	1640	1645	1650	1655	1660
'TCA	AAA	CCC	AAA	GGG	'TCA	G'IA	AGA	GGT	CCA	CAG	G'IA	'TMT	GTC	'TIT
AGT	'TIT	GGG	'TIT	CCC	AGT	CAI	'TCT	CGA	GGT	GTC	CAI	'TIA	CAG	NAC
Ser	Lys	Pro	Lys	Gly	Ser	Val	Arg	Ala	Pro	Gln	Val	'Tyr	Val	Leu
1670	1675	1680	1685	1690	1695	1700	1705	1710	1715	1720	1725	1730	1735	1740
GTC	ACT	C'IG	ACC	'TGC	ATG	GTC	ACA	GAC	'TTC	ATG	CCT	GAA	GAC	ATT
CAG	'TCA	GAC	'TGG	ACG	'TAC	CAG	'TGT	C'IG	AMG	'TAC	CGA	CIT	C'IG	'TNA
Val	'Thr	Leu	'Thr	Cys	Met	Val	'Thr	Asp	the	Met	Pro	Glu	Asp	Ile
1745	1750	1755	1760	1765	1770	1775	1780	1785	1790	1795	1800	1805	1810	1815
C'IA	AAC	'TAC	AMG	NAC	ACT	GAA	CCA	GTC	C'IG	GAC	'TCT	GAT	GGT	'TCT
GAT	'TIG	A'IG	'TIC	'TIG	'TGA	CIT	GGT	CAG	GAC	C'IG	AGA	C'IA	CCA	AGA
Leu	Asn	'Tyr	Lys	Asn	'Thr	Glu	Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser
1825	1830	1835	1840	1845	1850	1855	1860	1865	1870	1875	1880	1885	1890	1895
NAG	NAC	'TGG	G'IG	GAA	AGA	AMT	AGC	'TAC	'TCC	'TCT	'TCA	GTC	GTC	GGT
'TIC	'TIG	ACC	CAC	CIT	'TCT	'TIA	'TGG	ATG	AGG	ACA	AGT	CAC	CAG	GTC
Lys	Asn	'TTP	Val	Glu	Arg	Asn	Ser	'Tyr	Ser	Cys	Ser	Val	Val	Glu
1905	1910	1915	1920	1925	1930	1935								
'TIC	'TCC	CCG	ACT	CCG	GGT	AAA	'TGA	'TG	ACT	CGA	CCT	G		
NAG	AGG	GGC	'TGA	GGC	CCA	'TIT	ACT	AC	'TCA	GGT	CCA	G		
the	Ser	Arg	'Thr	Pro	Gly	Lys	***							

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FIGURE 2

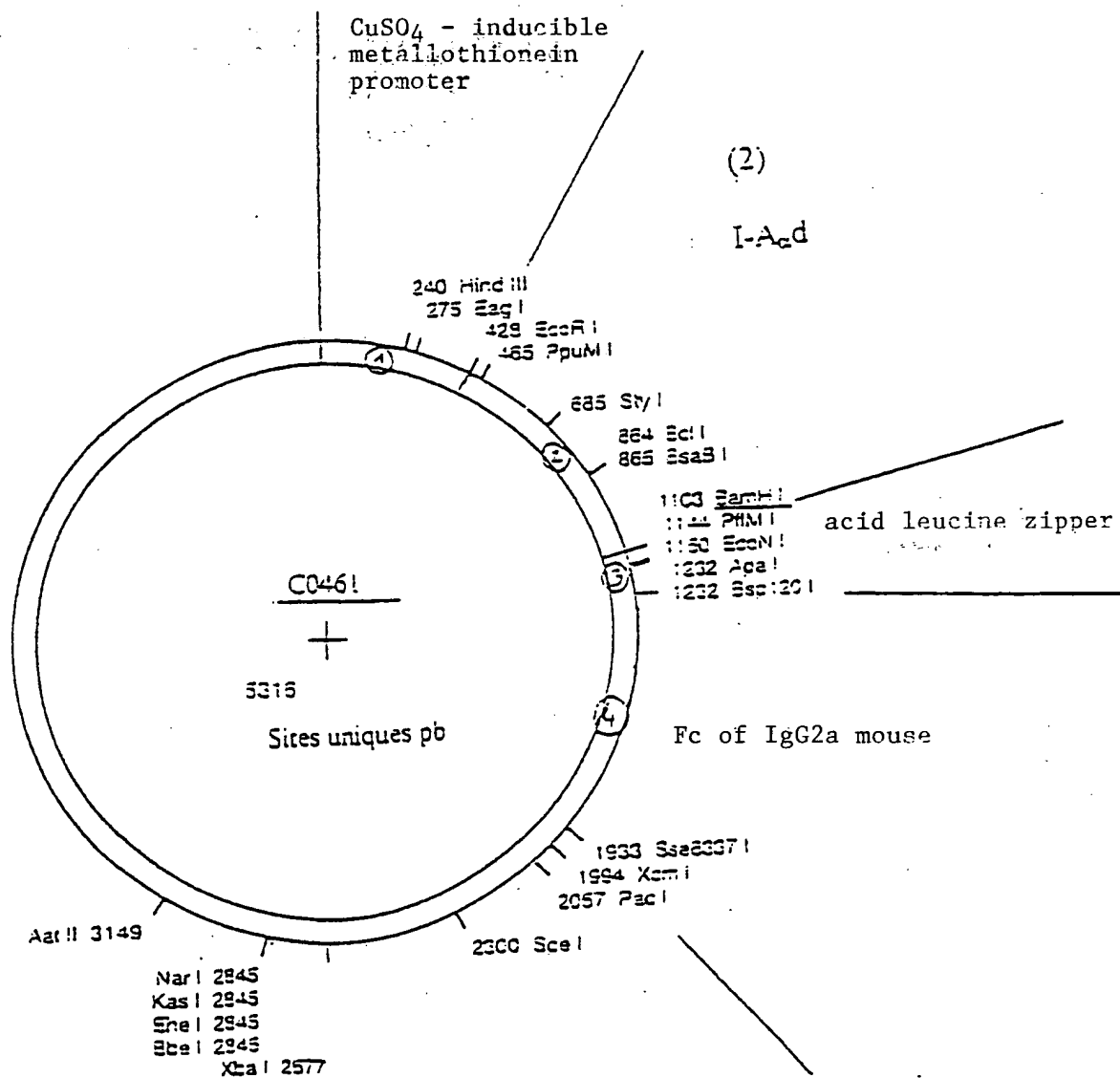


FIGURE 3

[illegible]

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965 970 975 980 985 990 995 1000 1005 1010 1015 1020 1025 1030 1035 1040
 ACT CIG GTC TGT TCG GTG ACA GAT TFC TAC CCA CCC AAG ATC AAA GTC CGC TGG TTC AGG ANT GCC CAG GAG ACA
 Thr Leu Val Cys Ser Val Thr Asp Phe Tyr Pro Ala Lys Ile Lys Val Arg Trp Phe Arg Asn Gly Gln Glu Thr>

 1045 1050 1055 1060 1065 1070 1075 1080 1085 1090 1095 1100 1105 1110 1115 1120
 GTC CGC GTC TCA TCC ACA CAG CTT ATT ACC ANT CCG GAC TCG ACC TTC CAG GTC CIG GTC ATG CIG GAG ATG ACC CCT
 Val Gly Val Ser Ser Thr Gln Leu Ile Arg Asn Gly Asp Trp Thr Phe Gln Val Leu Val Met Leu Glu Met Thr Pro>

 1125 1130 1135 1140 1145 1150 1155 1160 1165 1170 1175 1180 1185 1190 1195
 CMT CAG GCA GAG GTC TAC ACC TCC CMT CIG CAG CMT CCC ACC CIG AAG AGC CCC ATC ACT CIG GAG TCG AGG GCA CAG
 His Gln Gly Glu Val Tyr Thr Cys His Val Glu His Pro Ser Leu Lys Ser Pro Ile Thr Val Glu Trp Arg Ala Gln>

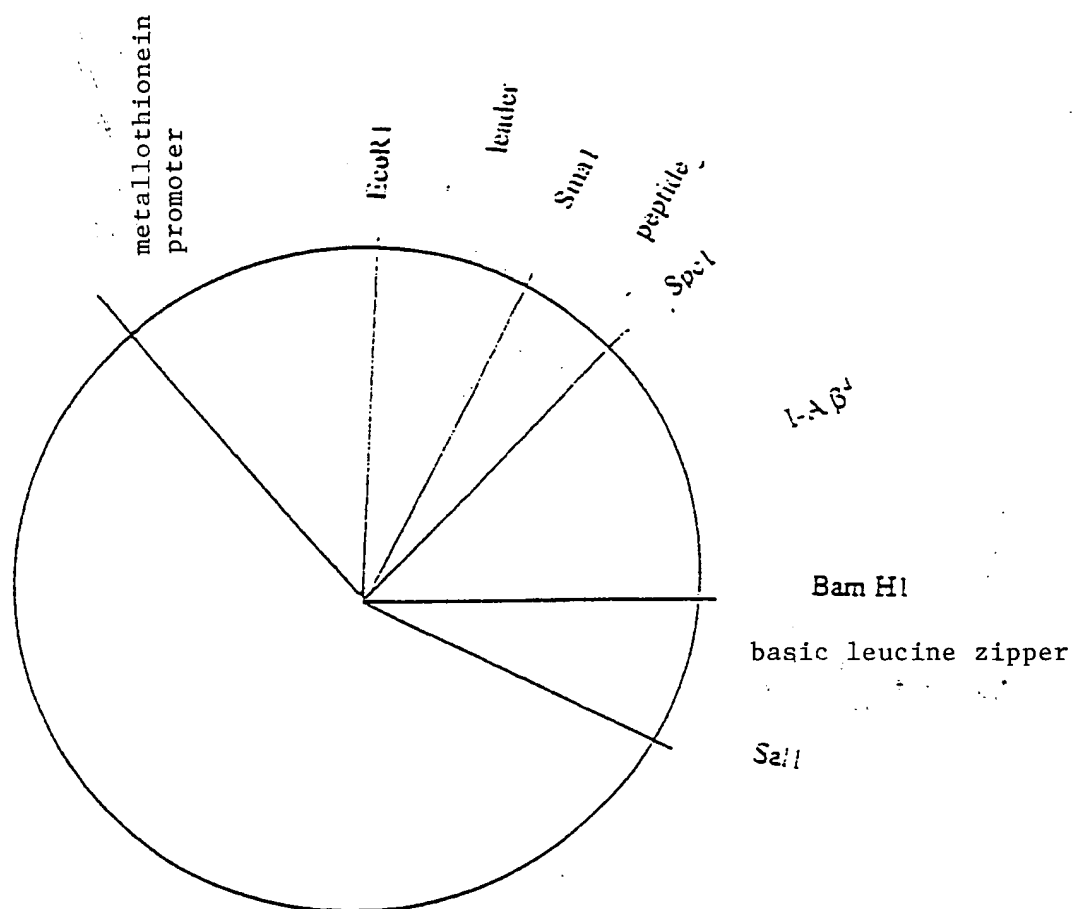
 1200 1205 1210 1215 1220 1225 1230 1235 1240 1245 1250 1255 1260 1265 1270 1275
 TCC GAG TCT GCC CCG ACC AAG CCA GGT CCA TCA TCC ACT ACA GGT CCA TCA GGT CAG TIG AAA AAG AAA TIG CAA GCA
 Ser Glu Ser Ala Arg Ser Lys Gly Gly Gly Gly Ser Thr Thr Ala Pro Ser Ala Gln Leu Lys Lys Lys Leu Glu Ala>
 Linker
 1280 1285 1290 1295 1300 1305 1310 1315 1320 1325 1330 1335 1340 1345 1350
 CIG AAG AAA AAG AAC GCT CAG CIG AAG TCG AAA CTT CAA GCC CIG AAG AAG AAA CIG GCC CAG CMT CMT CMT CMT CMT
 Leu Lys Lys Lys Lys Asn Ala Gln Leu Lys Trp Lys Leu Glu Ala Leu Lys Lys Lys Leu Ala Gln His His His His
 basic leucine zipper
 His ***> Salt
 1355 1360 1365 1370
 CMT TCA GT CCA GGT CC
 His ***> Salt
 HISTAG

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FIGURE 4



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FIGURE 5

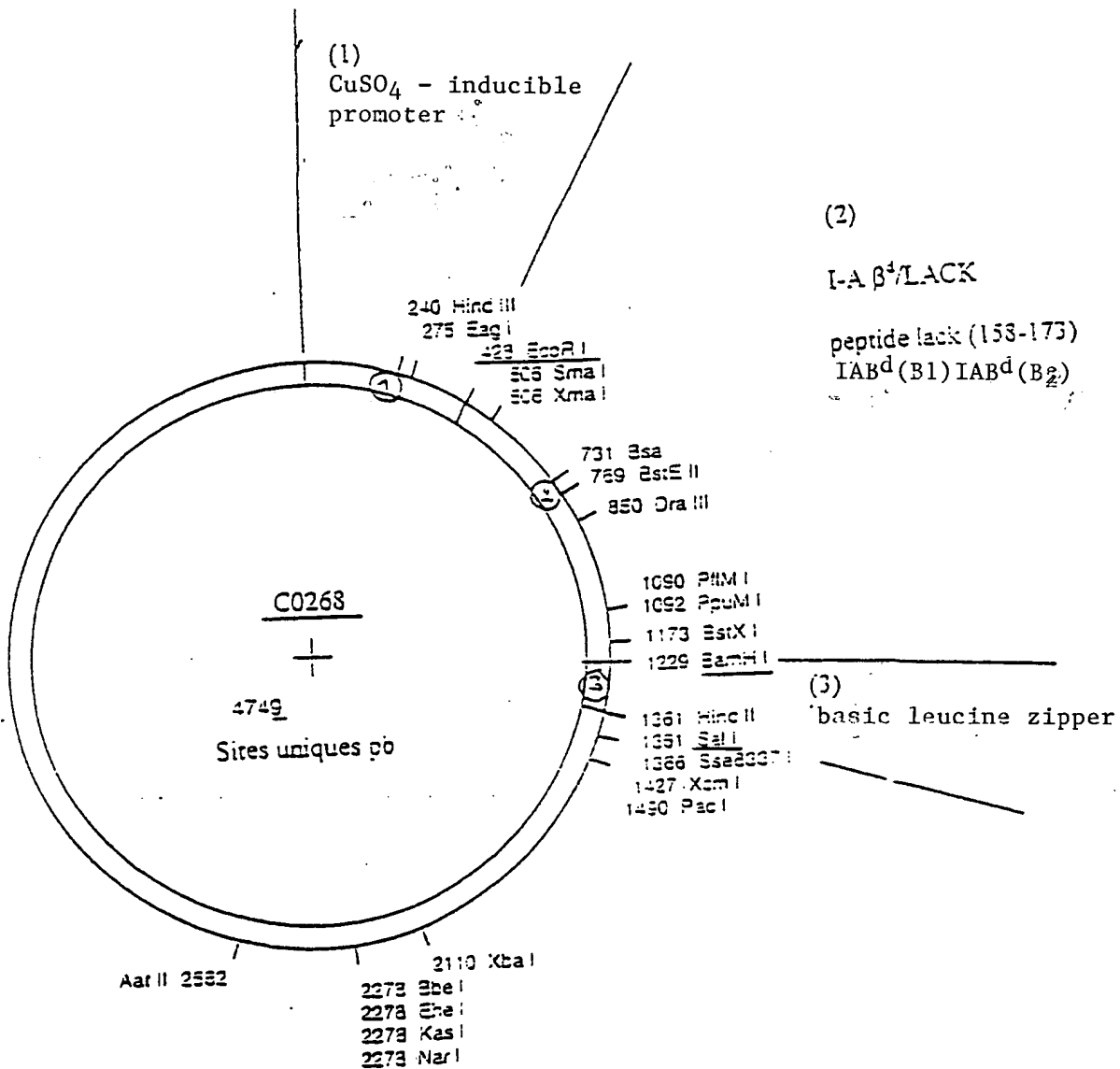


FIGURE 6

